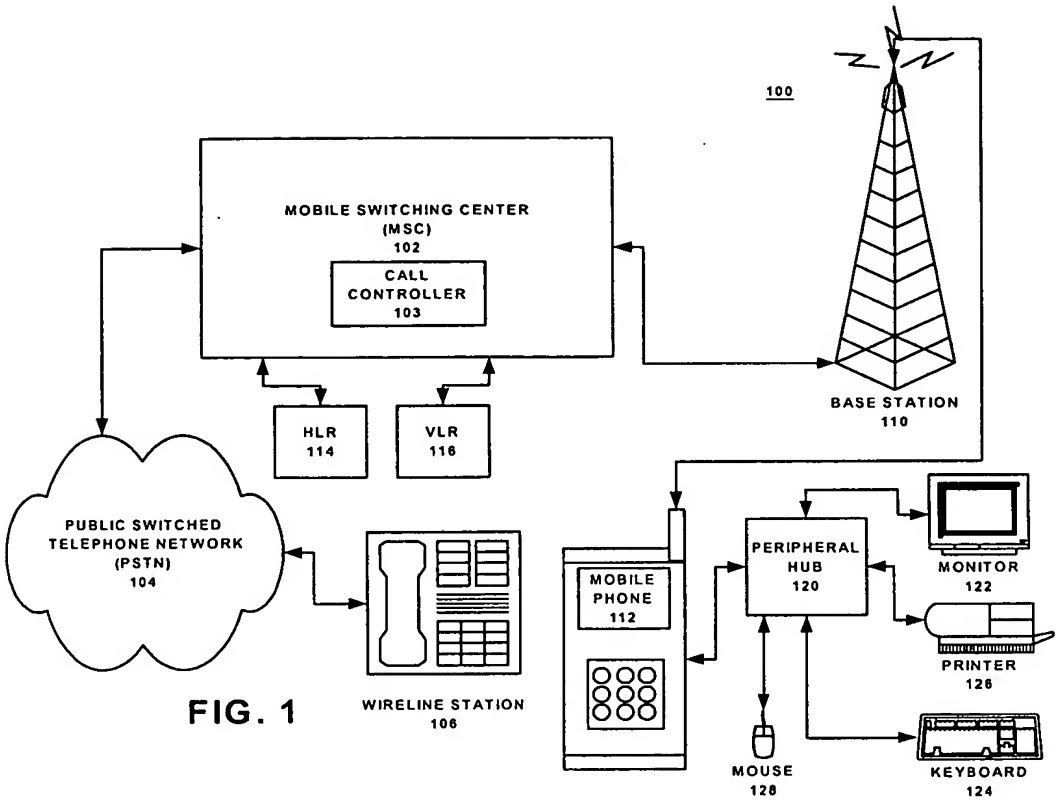
100
MOBILE SWITCHING CENTER
(MSC)
102
CALL
CONTROLLER
103
HLR
114
VLR
116
BASE STATION
110
PUBLIC SWITCHED
TELEPHONE NETWORK
(PSTN)
104
WIRELINE STATION
106
MOBILE
PHONE
112
PERIPHERAL
HUB
120
MONITOR
122
PRINTER
126
MOUSE
128
KEYBOARD
124

FIG. 1

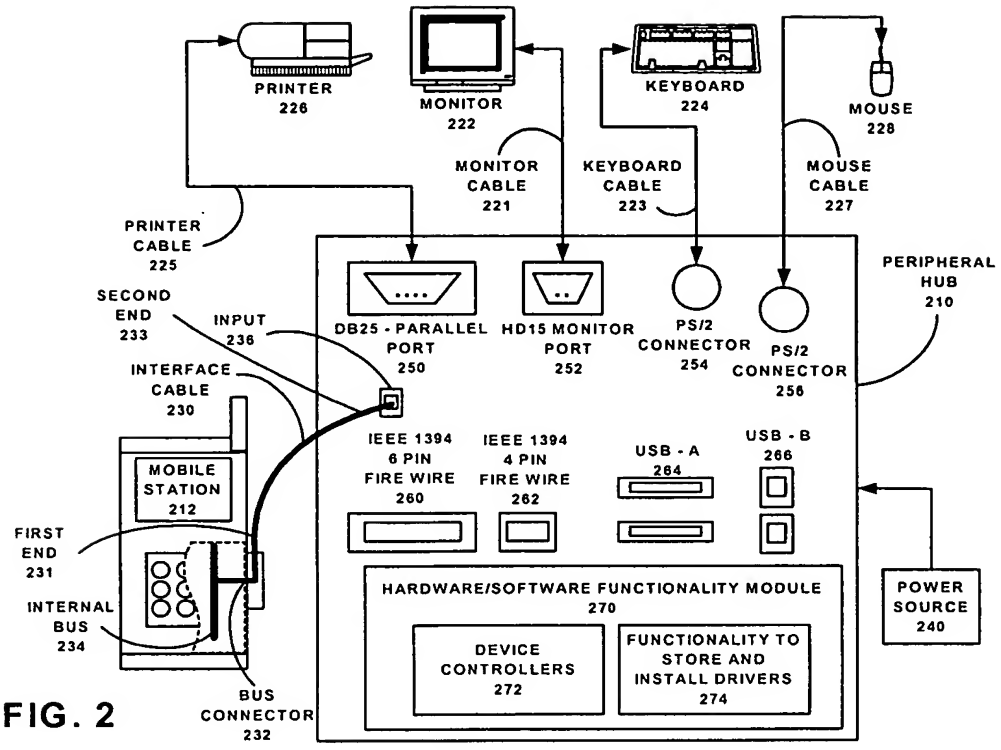
PRINTER
226
MONITOR
222
KEYBOARD
224
MOUSE
228
MONITOR CABLE
221
KEYBOARD CABLE
223
MOUSE CABLE
227
PRINTER CABLE
225
PERIPHERAL HUB
210
SECOND END
233
INPUT
236
INTERFACE CABLE
230
DB25 - PARALLEL PORT
250
HD15 MONITOR PORT
252
PS/2 CONNECTOR
254
PS/2 CONNECTOR
256
IEEE 1394 6 PIN FIRE WIRE
260
IEEE 1394 4 PIN FIRE WIRE
262
USB - A
264
USB - B
266
MOBILE STATION
212
FIRST END
231
INTERNAL BUS
234
HARDWARE/SOFTWARE FUNCTIONALITY MODULE
270
DEVICE CONTROLLERS
272
FUNCTIONALITY TO STORE AND INSTALL DRIVERS
274
POWER SOURCE
240
BUS CONNECTOR
232

FIG. 2

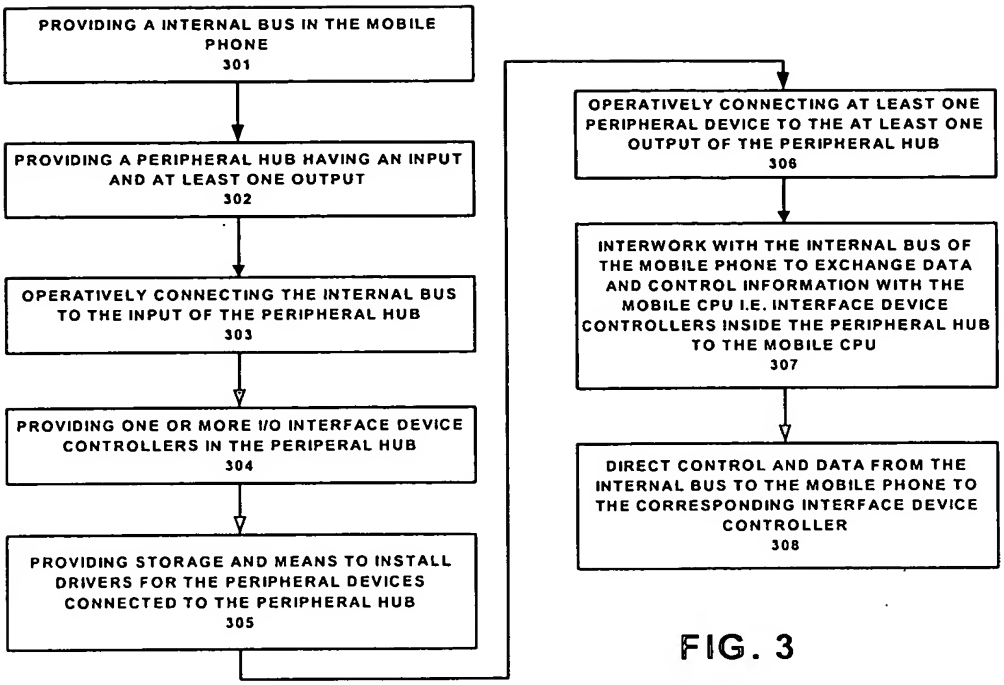
PROVIDING A INTERNAL BUS IN THE MOBILE PHONE
301
PROVIDING A PERIPHERAL HUB HAVING AN INPUT AND AT LEAST ONE OUTPUT
302
OPERATIVELY CONNECTING THE INTERNAL BUS TO THE INPUT OF THE PERIPHERAL HUB
303
PROVIDING ONE OR MORE I/O INTERFACE DEVICE CONTROLLERS IN THE PERIPERAL HUB
304
PROVIDING STORAGE AND MEANS TO INSTALL DRIVERS FOR THE PERIPHERAL DEVICES CONNECTED TO THE PERIPHERAL HUB
305
OPERATIVELY CONNECTING AT LEAST ONE PERIPHERAL DEVICE TO THE AT LEAST ONE OUTPUT OF THE PERIPHERAL HUB
306
INTERWORK WITH THE INTERNAL BUS OF THE MOBILE PHONE TO EXCHANGE DATA AND CONTROL INFORMATION WITH THE MOBILE CPU I.E. INTERFACE DEVICE CONTROLLERS INSIDE THE PERIPHERAL HUB TO THE MOBILE CPU
307
DIRECT CONTROL AND DATA FROM THE INTERNAL BUS TO THE MOBILE PHONE TO THE CORRESPONDING INTERFACE DEVICE CONTROLLER
308

FIG. 3